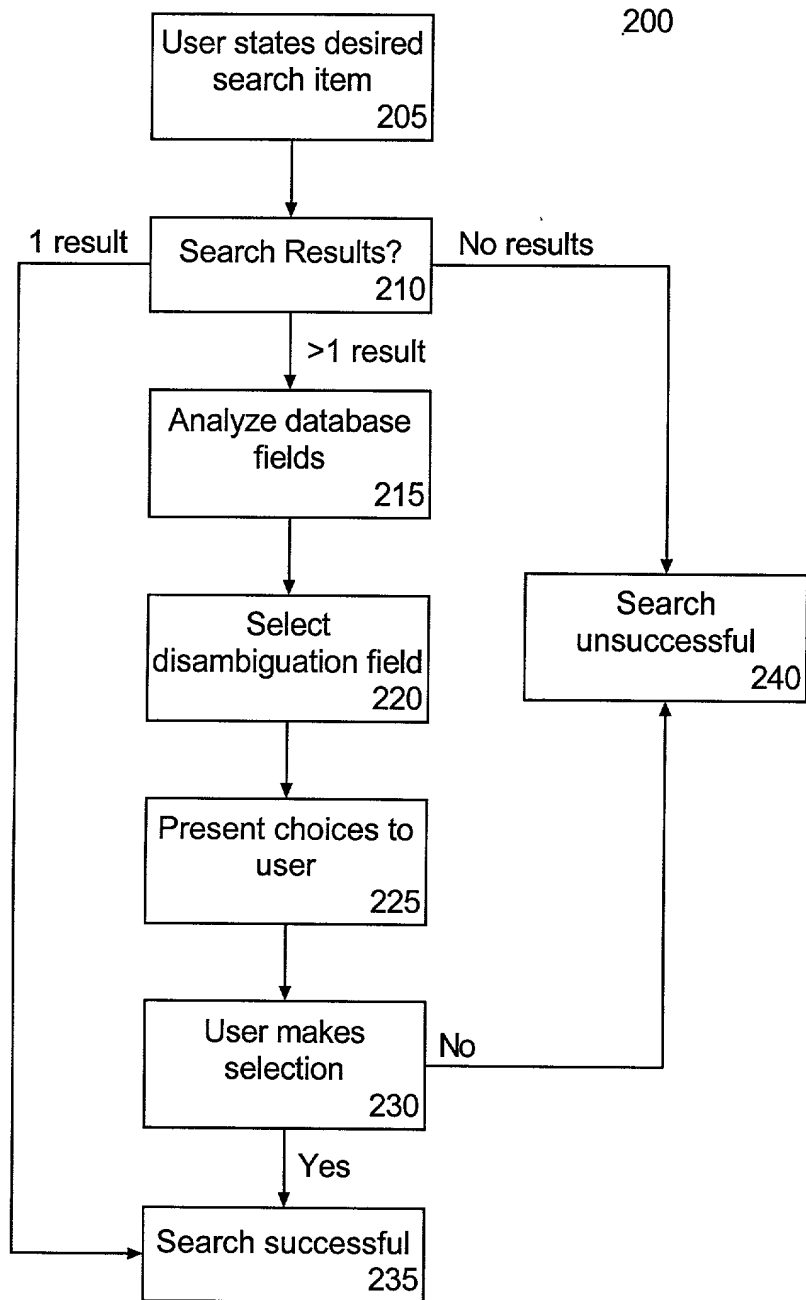| Entry	Name	Formal Name	Phone	Location	Job Description	Dept. Number	Dept. Name
1	Joe Smith	Joseph B. Smith	7-777999	United Kingdom	Programmer	AXPN	Netfinity Service and Support
2	Joe Smith	Joseph P. Smith	777-7777	Las Vegas	Global Services	55TU	Las Vegas Large/Mid Range
3	Joe Smith	Joseph R. Smith	987-6543	West Palm Beach	Human Factors	AMXI	Speech SOL Test and Technology Support
4	Joe Smith	Joe Smith	7-123456	Hursley	Contractor	111123	Systems Support
5	Joe Smith	Joe Smith	000-0000	Chicago	Technician	ONDI	Starwood
6	Joe Smith	Joe Smith	456-7890	Poughkeepsie	Business Planner	AB9Z	TMF Application Data Transfer Service Development
7	Joe Smith	Joseph R. Smith	123-4567	Austin	Engineer	QPR2	VTS Coupled Systems
8	Joe Smith	Joseph R. Smith	999-9999	Tucson	Global Services	6CQV	Customer Service Data Management
Analysis	Failed Duplicate	Failed Duplicate	Failed Cannot Pronounce	9.5 Characters 2.875 Syllables	12.125 Characters 3.75 Syllables	Failed Cannot Pronounce	Failed Items Too Long

Figure 1

200

```
┌─────────────────────┐
│  User states desired │
│     search item      │
│                  205 │
└─────────────────────┘
            │
            ▼
1 result ┌─────────────────────┐ No results
◄────────│   Search Results?    │────────►
         │                  210 │
         └─────────────────────┘
            │
         >1 result
            │
            ▼
         ┌─────────────────────┐
         │  Analyze database    │
         │      fields          │
         │                  215 │
         └─────────────────────┘
            │
            ▼
         ┌─────────────────────┐
         │     Select           │
         │ disambiguation field │
         │                  220 │
         └─────────────────────┘
            │
            ▼
         ┌─────────────────────┐
         │  Present choices to  │
         │       user           │
         │                  225 │
         └─────────────────────┘
            │
            ▼
         ┌─────────────────────┐   No
         │    User makes        │────────►
         │    selection         │
         │                  230 │
         └─────────────────────┘
            │
           Yes
            │
            ▼
         ┌─────────────────────┐
         │  Search successful   │
         │                  235 │
         └─────────────────────┘

         ┌─────────────────────┐
         │     Search           │
         │  unsuccessful        │
         │                  240 │
         └─────────────────────┘
```

Figure 2